

**Review Form 3**

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_124846
Title of the Manuscript:	Exploring Genetic Variability and Diversity of Cocoa in Exotic Germplasm Collection
Type of the Article	Original Research Article

### Review Form 3

#### **PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>	Cocoa is an important cultural and economic asset for many regions. Exploring its diversity can help preserve traditional practices and varieties that are culturally significant. Understanding genetic variability helps conserve the rich biodiversity of cocoa plants. This is crucial for maintaining ecosystem health and resilience. By improving resilience and productivity, genetic diversity can contribute to the economic stability of cocoa farming communities, which are often vulnerable to market fluctuations and environmental changes.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Exploring Genetic Variability and Diversity in Exotic Germplasm Collection of Cocoa ( <i>Theobroma cacao</i> L.)	
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	The abstract says that the experiment was carried out in the period of 2021-2023. But in material and methods, it says it was carried out in 2009. Both have no correlation.	
<b>Are subsections and structure of the manuscript appropriate?</b>	Introduction: <ol style="list-style-type: none"> <li>1. There was no mention of the importance of use of exotic germplasm in the study anywhere in the manuscript. Please add.</li> <li>2. Add few lines about the importance of observed traits to the yield.</li> </ol> Materials and methods: <ol style="list-style-type: none"> <li>1. Mention the stage of the crop.</li> <li>2. There is no check in the experimental material composed of 23 exotic genotypes. If there is a check, please mention it.</li> <li>3. List of observations taken should be framed in one sentence. Explanation of method of observations recorded has to mentioned for every observation.</li> </ol> Results and discussion: Include Analysis of variance (ANOVA table) in the results.	
<b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b>	Methodology and the appropriateness of statistical analyses need to corrected as per the review comments made to make the manuscript technically good. The mistakes in material and methods section questions the authenticity of the research.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Sufficient and recent	
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Suitable	
<b>Optional/General</b> comments		

**Review Form 3**

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>A. Anisha</b>
Department, University & Country	<b>Acharya N.G. Ranga Agricultural University, India</b>